

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 October 2005 (06.10.2005)

PCT

(10) International Publication Number
WO 2005/092263 A1

(51) International Patent Classification⁷: **A61F 9/06**

(21) International Application Number:
PCT/KR2005/000005

(22) International Filing Date: 4 January 2005 (04.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10-2004-0020731 26 March 2004 (26.03.2004) KR
10-2004-0052291 6 July 2004 (06.07.2004) KR

(71) Applicant (for all designated States except US): **OTO-STECH CO., LTD.** [KR/KR]; 234-12, Gasan-dong Geumcheon-gu, Seoul 153-801 (KR).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **HUH, Moon-Young** [KR/KR]; 326-202, Sinsigaji Apt. 903,, Mok-dong Yangcheon-gu, Seoul 158-753 (KR).

(74) Agent: **KIM, Yoon-Bo**; DASOL PATENT & LAW FIRM, 202, Ace Twin Tower 2 212-30,, Guro-dong Guro-gu, Seoul 152-848 (KR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

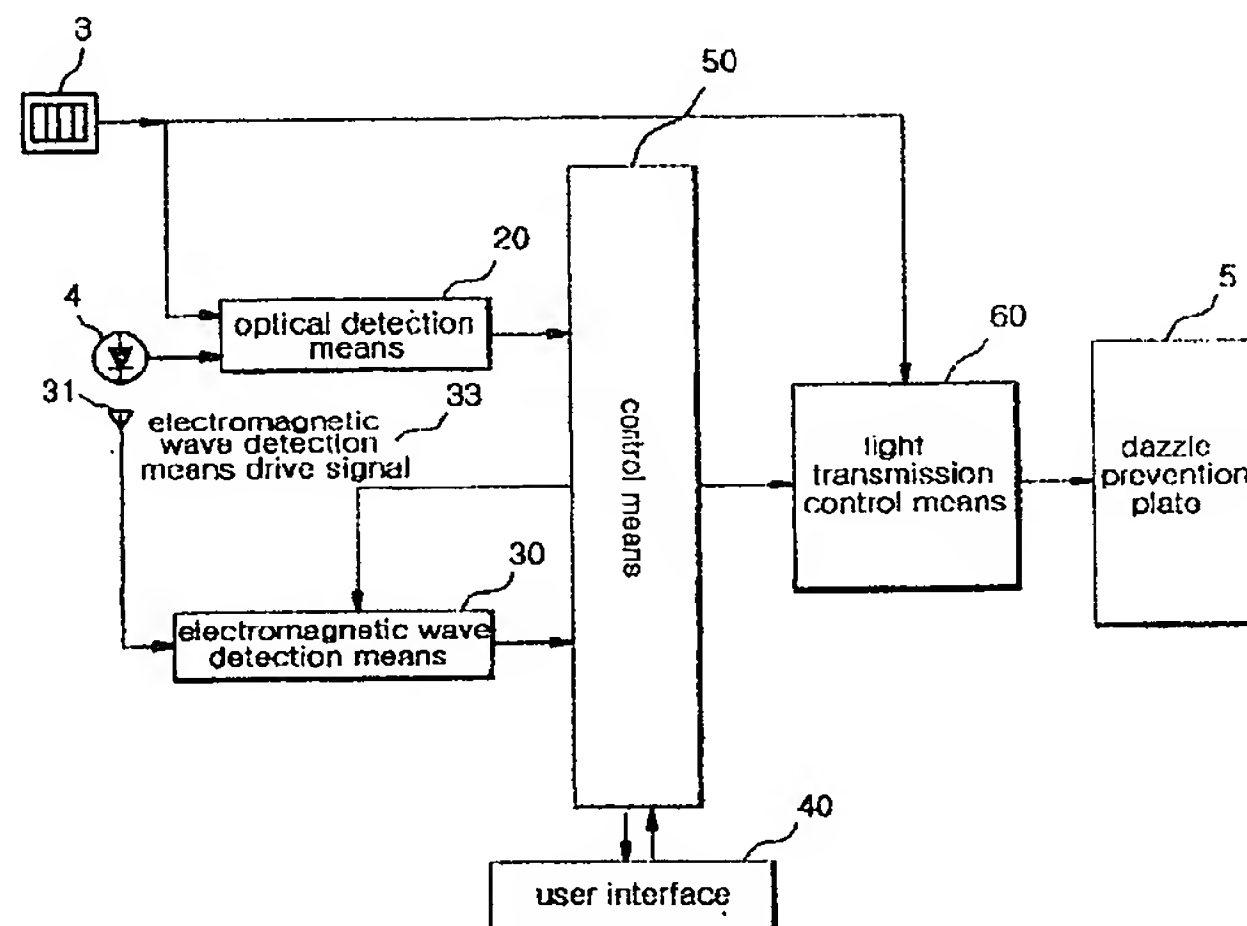
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **DAZZLE PREVENTION DEVICE HAVING ELECTROMAGNETIC WAVE DETECTION FUNCTION**



(57) Abstract: A dazzle prevention device having an electromagnetic wave detection function is disclosed. The device includes an optical detection means, an electromagnetic wave sensor means, the electromagnetic wave detection means, a control means, and a light transmission control means. The optical detection means detects light generated from the welding or cutting torch. The electromagnetic wave sensor means detects an electromagnetic wave. The electromagnetic wave detection means compares a signal, which is input through the electromagnetic wave sensor means and resonated, with a variably set reference value. The control means applies the electromagnetic wave detection mean drive signal to the electromagnetic wave detection means and monitors the variation of an electromagnetic signal using the output of the electromagnetic wave detection means. The light transmission control means controls the variation of light transmittance of the dazzle prevention plate in response to an output signal from the control means.

WO 2005/092263 A1